AN 107:223151 CA
TI Progress in the testing of surfactant-stabilized neutral insulin (Hoe 21 PH) in various dispensing systems
AU Grau, U.

SO Life Support Systems (1986), 3(Suppl. 1, Proc. - Eur. Soc. Artif. Organs, Annu. Meet., 12th, 1985), 551-5
CODEN: LSSYD6; ISSN: 0261-989X

AB To increase insulin stability in implantable pumps Hoe 21 PH, a neutral insulin prepn. stabilized against denaturation on hydrophobic surfaces by ***Genapol*** , was examd. In vitro tests indicated an improvement in performance under peristaltic pump conditions while maintaining quality and stability of Hoe 21 PH.
Genapol insulin stabilized

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L10 ANSWER 1 OF 1 MEDLINE on STN
AN 2001017670 MEDLINE
DN 20467183 PubMed ID: 11011223
TI Possible activation of auto-immune thyroiditis from continuous subcutaneous infusion of ***genapol*** -containing insulin.
AU Chantelau E
CS Diabetesambulanz MNR-Klinik, Heinrich-Heine-Universitat Dusseldorf Postfach 10 10 07 D-40001 Dusseldorf.
SO DIABETES AND METABOLISM, (2000 Sep) 26 (4) 304-6.
Journal code: 9607599. ISSN: 1262-3636.

AB A case of a type 1 diabetic woman with auto-immune thyroiditis is reported, in whom repeated exposure to insulin containing ***Genapol*** (R) (polyethylen-polypropylenglycol) over 3 years reproducibly parallels with an increase of serum TSH (thyroid-stimulating hormone) above the normal limit. Previously, adverse effects of ***Genapol*** (R) insulin

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L12 ANSWER 2 OF 4 MEDLINE on STN
AN 2001189321 MEDLINE
DN 21174927 PubMed ID: 11280713
TI High antigenicity of intraperitoneal insulin infusion via implantable devices: preliminary rat studies.
AU Jeandidier N; Boullu S; Delatte E; Sapin R; Steibel J; Meyer P; Uhl C; Pinget M

SO HORMONE AND METABOLIC RESEARCH, (2001 Jan) 33 (1) 34-8. Journal code: 0177722. ISSN: 0018-5043.

AB Intraperitoneal ***insulin*** infusion of ***Genapol*** stabilized ***insulin*** via implantable devices significantly improves diabetes

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AN 91223732 MEDLINE
DN 91223732 PubMed ID: 2091873
TI Stabilized human insulin prevents catheter occlusion during continuous subcutaneous insulin infusion.
AU Walter H M; Timmler R; Mehnert H

SO DIABETES RESEARCH, (1990 Feb) 13 (2) 75-7.

Journal code: 8502339. ISSN: 0265-5985.

AB Obstruction of infusion sets is a major cause of metabolic deterioration or even ketoacidosis during continuous subcutaneous ***insulin*** infusion (CSII). 21 type I, CSII-treated patients were studied in a prospective, randomized cross over design during two periods of three months to assess the effects of ***Genapol*** stabilized human ***insulin*** (HOE 21 PH H-TRONIN) on obstruction frequency of PVC

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L12 ANSWER 4 OF 4 MEDLINE on STN
AN 85028172 MEDLINE
DN 85028172 PubMed ID: 6386584
TI Stabilisation of dissolved proteins against denaturation at hydrophobic interfaces.
AU Thurow H; Geisen K
SO DIABETOLOGIA, (1984 Aug) 27 (2) 212-8.
Journal code: 0006777. ISSN: 0012-186X.

AB Studies with ***insulin*** delivery devices have shown that denaturation of dissolved proteins at hydrophobic interfaces is a basic obstacle to long-term ***insulin*** stability in pumps. This study shows that polypropylene glycol/polyethylene glycol block polymers prevent both the adsorption of dissolved proteins to hydrophobic interfaces and the resultant aggregation. At a concentration of 0.001% (w/v), the block polymer ***Genapol*** PF-10 stabilises ***insulin*** solutions over a wide range of concentrations. ***Insulin*** solutions thus

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AN 91223732 MEDLINE
DN 91223732 PubMed ID: 2091873
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AU Walter H M; Timmler R; Mehnert H

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AB Obstruction of infusion sets is a major cause of metabolic deterioration or even ketoacidosis during continuous subcutaneous ***insulin*** infusion (CSII). 21 type I, CSII-treated patients were studied in a prospective, randomized cross over design during two periods of three months to assess the effects of ***Genapol*** stabilized human ***insulin*** (HOE 21 PH H-TRONIN) on obstruction frequency of PVC